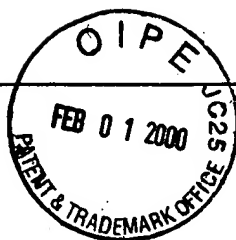


Sequence Listing



RECEIVED

FEB 08 2000

<110> Kenji SHIBATA
Motoo YAMASAKI
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Tamio MIZUKAMI
Akeo SHINKAI
Hideharu ANAZAWA

<120> Peptides having a cyclic structure and restoring the activities of P53 protein to mutant P53 protein

<130> 1061

<140> PCT/JP98/02148

<141> 1998-5-15

<150> JP97/126113

<151> 1997-05-15

<160> 32

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 1

Leu	Lys	Ser	Lys	Lys	Gly	Gln	Ser	Thr	Ser	Arg	His	Lys	Lys	Leu
1				5					10					15

<210> 2

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 2

Lys	Ser	Lys	Lys	Gly	Gln	Ser	Thr	Ser	Arg	His	Lys	Lys
1				5					10			

all
cont

<210> 3
<211> 11
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<213> Artificial Sequence

<220>
<223> Synthetic peptide

<400> 3
Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys
1 5 10

<210> 4
<211> 17
<212> PRT
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<222> (1)..(17)

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<223> Synthetic peptide

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Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Cys

<210> 5
<211> 15
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<223> BINDING type is -CONH2-.

<220>
<223> Synthetic peptide

<400> 5

Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15

<210> 6
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
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 <222> (1)..(17)

<220>
 <221> SITE
 <222> (17)
 <223> Xaa represents L-Cysteine amide

<220>
 <223> Synthetic peptide

<400> 6

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
 1 5 10 15
 Xaa

<210> 7
 <211> 17
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<220>
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<220>
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 <222> (1)
 <223> Xaa represents N-Acetyl-L-cysteine

<220>
 <221> SITE
 <222> (17)
 <223> Xaa represents L-Cysteine amide

<220>

<223> Synthetic peptide

<400> 7

Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

Xaa

<210> 8

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Other nucleic acid Synthetic DNA

<400> 8

CTAGACAGCC AGACTGCCTT CCGGGTCACT GC
32

<210> 9

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Other nucleic acid Synthetic DNA

<400> 9

CATGGCAGTG ACCCGGAAGG CAGTCTGGCT GT
32

<210> 10

<211> 26

<212> DNA

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<220>

<223> Other nucleic acid Synthetic DNA

<400> 10

TCGAGAGACA TGCCTAGACA TGCCTG
26

<210> 11

<211> 26
<212> DNA
<213> Artificial Sequence

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<223> Other nucleic acid Synthetic DNA

<400> 11
TCGACAGGCA TGTCTAGGCA TGTCTC
26

<210> 12
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<212> DNA
<213> Artificial Sequence

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<223> Other nucleic acid Synthetic DNA

<400> 12
TCGAGCCCCGG GGGTACCGCA TG
22

<210> 13
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<220>
<223> Other nucleic acid Synthetic DNA

<400> 13
CGGTACCCCC GGGC
14

<210> 14
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 14
TCGAGGGACT TGCCTGGACT TGCCTGTCGA CG
32

<210> 15
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Other nucleic acid Synthetic DNA

<400> 15
GTACCGTCGA CAGGCAAGTC CAGGCAAGTC CC
32

<210> 16
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<220>
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<220>
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<222> (18)
<223> Xaa represents 12-Dodecanamide

<220>
<223> Synthetic peptide

<400> 16
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Cys Xaa

<210> 17
<211> 17
<212> PRT
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<220>
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<222> (17)
<223> Xaa represents N-Dodecyl-L-cysteine amide

<220>
<223> Synthetic peptide

<400> 17
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 18
<211> 17
<212> PRT
<213> Artificial Sequence

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<221> SITE
<222> (17)
<223> Xaa represents N-Octadecyl-L-cysteine amide

<220>
<223> Synthetic peptide

<400> 18
Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 19
<211> 17
<212> PRT
<213> Artificial Sequence

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<221> SITE
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<223> Xaa represents N^α-Acetyl-L-lysine

<220>

<223> Synthetic peptide

<400> 19

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Xaa Lys Leu
1 5 10 15
Cys

<210> 20

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<221> BINDING

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<223> BINDING type is -S-CH₂-S-.

<220>

<221> SITE

<222> (1)

<223> Xaa represents L-Cysteine.

<220>

<221> SITE

<222> (17)

<223> Xaa represents L-Cysteine amide.

<220>

<223> Synthetic peptide

<400> 20

Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 21

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<221> BINDING

<222> (1)..(16)

<223> BINDING type is -CONH2- between -NH2(â|)in Lys and -COOH in Leu.

<220>

<223> Synthetic peptide

<400> 21

Lys	Leu	Lys	Ser	Lys	Lys	Gly	Gln	Ser	Thr	Ser	Arg	His	Lys	Lys	Leu
1				5					10					15	

<210> 22

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<221> DISULFID

<222> (1)..(8)

<220>

<221> SITE

<222> (16)

<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 22

Cys	Leu	Lys	Ser	Lys	Lys	Gly	Cys	Ser	Thr	Ser	Arg	His	Lys	Lys	Xaa
1				5					10					15	

<210> 23

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<221> BINDING

<222> (1)..(8)

<223> BINDING type is -CONH2- between -NH2(â|)in Lys and -COOH in Asp.

<220>

<221> SITE

<222> (16)

<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 23

Lys	Leu	Lys	Ser	Lys	Lys	Gly	Asp	Ser	Thr	Ser	Arg	His	Lys	Lys	Xaa
1				5					10					15	

<210> 24

<211> 16

<212> PRT

<213> Artificial Sequence

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<221> BINDING

<222> (7)..(13)

<223> BINDING type is -CONH2-.

<220>

<221> SITE

<222> (15)

<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 24

Leu	Lys	Ser	Lys	Lys	Gly	Asp	Ser	Thr	Ser	Arg	His	Lys	Lys	Xaa
1				5				10					15	

<210> 25

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<221> DISULFID

<222> (1)..(16)

<220>

<223> Synthetic peptide

<400> 25

Cys	Leu	Lys	Ser	Lys	Lys	Gln	Ser	Thr	Ser	Arg	His	Lys	Lys	Leu	Cys
1				5				10						15	

<210> 26
<211> 16
<212> PRT
<213> Artificial Sequence

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<222> (1)..(16)
<223> BINDING type is -CH₂S-.

<220>
<221> SITE
<222> (1)
<223> Xaa represents N-Methylenecarbonyl-L-leucine whose methylene bonds to S in Cysteine amide.

<220>
<221> SITE
<222> (16)
<223> Xaa represents Cysteine amide whose S bonds to methylene in N-Methylenecarbonyl-L-leucine.

<220>
<223> Synthetic peptide

<400> 26
Xaa Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
1 5 10 15

<210> 27
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(17)
<223> BINDING type is -S-(o-xylylene)-S-.

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<221> SITE
<222> (1)
<223> Xaa represents L-Cysteine.

<220>
<221> SITE

<222> (17)
<223> Xaa represents L-Cysteine amide.

<220>
<223> Synthetic peptide

<400> 27
Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 28
<211> 16
<212> PRT
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<220>
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<222> (3)..(16)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Cysteine amide.

<220>
<223> Synthetic peptide

<400> 28
Leu Lys Cys Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu Xaa
1 5 10 15

<210> 29
<211> 16
<212> PRT
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<222> (1)..(11)

<220>
<221> SITE
<222> (16)
<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 29

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Cys Arg His Lys Lys Xaa
1 5 10 15

<210> 30

<211> 15

<212> PRT

<213> Artificial Sequence

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<221> DISULFID

<222> (3)..(10)

<220>

<221> SITE

<222> (15)

<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 30

Leu Lys Cys Lys Lys Gly Gln Ser Thr Cys Arg His Lys Lys Xaa
1 5 10 15

<210> 31

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<221> DISULFIDE

<222> (1)..(17)

<220>

<221> SITE

<222> (18)

<223> Xaa represents L-Glycine n-butyl amide.

<220>

<223> Synthetic peptide

<400> 31

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15

Cys Xaa

<210> 32

<211> 15

<212> PRT

<213> Artificial Sequence

*all
as indicated*
<220>

<221> BINDING

<222> (3)..(13)

<223> BINDING type is -CONH2- between -COOH (α^L) in Asp and -NH2 (α⁺) in Lys

<220>

<221> SITE

<222> (15)

<223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

<400> 32

Leu Lys Asp Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Xaa
1 5 10 15
